

S/N 10/028001

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Leonard Forbes et al. Examiner: Tu-Tu V. Ho  
Serial No.: 10/028001 Group Art Unit: 2818  
Filed: December 20, 2001 Docket: 1303.035US1  
Title: PROGRAMMABLE ARRAY LOGIC OR MEMORY WITH P-CHANNEL  
DEVICES AND ASYMMETRICAL TUNNEL BARRIERS

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**COMMUNICATION CONCERNING RELATED APPLICATION(S)**

MS RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related application(s) in the above-identified patent application:

<u>Serial/Patent No.</u>	<u>Filing Date</u>	<u>Attorney Docket</u>	<u>Title</u>
09/945395	August 30, 2001	1303.019US1	DRAM CELLS WITH REPRESSED FLOATING GATE MEMORY, LOW TUNNEL BARRIER INTERPOLY INSULATORS
09/943134	August 30, 2001	1303.020US1	PROGRAMMABLE ARRAY LOGIC OR MEMORY DEVICES WITH ASYMMETRICAL TUNNEL BARRIERS
09/945512	August 30, 2001	1303.027US1	IN SERVICE PROGRAMMABLE LOGIC ARRAYS WITH LOW TUNNEL BARRIER INTERPOLY INSULATORS
09/945554	August 30, 2001	1303.028US1	SRAM CELLS WITH REPRESSED FLOATING GATE MEMORY, LOW TUNNEL BARRIER INTERPOLY INSULATORS
10/081818	February 20, 2002	1303.045US1	ATOMIC LAYER DEPOSITION OF METAL OXIDE AND/OR LOW ASYMMETRICAL TUNNEL BARRIER INTERPOLY INSULATORS
10/177096	June 21, 2002	1303.063US1	GRADED COMPOSITION METAL OXIDE TUNNEL BARRIER

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Dkt: 1303.035US1

INTERPOLY INSULATORS

Unknown February 1303.063US2 GRADED COMPOSITION METAL  
18, 2004 OXIDE TUNNEL BARRIER  
INTERPOLY INSULATORS

Respectfully submitted,

LEONARD FORBES ET AL.

By Applicants' Representatives,

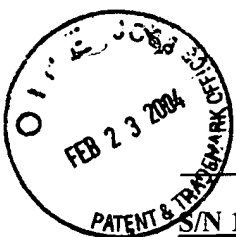
SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 373-6960

Date 2-19-04 By M L R  
Marvin L. Beekman  
Reg. No. 38,377

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 19th day of February, 2004.

Name Amy moriarty

Signature Amy moriarty



S/N 10/028001

**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Leonard Forbes et al.	Examiner:	Tu-Tu V. Ho
Serial No.:	10/028001	Group Art Unit:	2818
Filed:	December 20, 2001	Docket:	1303.035US1
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**INFORMATION DISCLOSURE STATEMENT**

MS RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement.

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

LEONARD FORBES ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 373-6960

Date 2-19-04

By

M L B

Marvin L. Beekman

Reg. No. 38,377

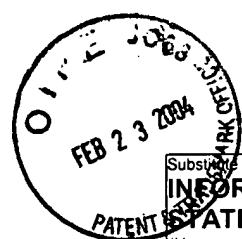
**CERTIFICATE UNDER 37 CFR 1.8:** The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 19th day of February, 2004.

Name

Amy Moriarty

Signature

Amy Moriarty



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/028001
Filing Date	December 20, 2001
First Named Inventor	Forbes, Leonard
Group Art Unit	2818
Examiner Name	Ho, Tu-Tu

Sheet 1 of 1

Attorney Docket No: 1303.035US1

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	US-6,461,931	10/08/2002	Eldridge, Jerome M.	438	398	08/29/2000
	US-6,586,797	07/01/2003	Forbes, Leonard , et al.	257	325	08/30/2001

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
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**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		ZHANG, H. , et al., "Atomic Layer Deposition of High Dielectric Constant Nanolaminates", Journal of The Electrochemical Society, 148(4),(2001),F63-F66	

**EXAMINER**

**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached